

**Climatological Data for September, 1909.**  
**DISTRICT No. 11, CALIFORNIA.**

Prof. ALEXANDER G. McADIE, District Editor.

**TEMPERATURE.**

September, 1909, was in most respects a normal month. The mean temperature for the district was a fraction of a degree above the normal. There was one warm spell about the middle of the month, and during this time maximum temperatures at a large number of places exceeded 100°. In some of the interior sections temperatures of 105° were reported and at a few places 108°. However, high temperatures are not infrequent at this time of the year. There were no strong north winds, making the warm weather doubly trying. As a whole, weather conditions were quiet and the warm days for the most part typical mid-summer days.

**PRECIPITATION.**

The present September was in marked contrast with September, 1908, when there were heavy rains in the southern counties, accompanied by hailstorms and lightning. No cloudbursts were reported during the present month. The month was practically without rain until the 24th. The last week of the month was one of unsettled, showery weather. A general depression covered the coast, resulting in southerly winds and the first widespread rain area since the end of March. It is interesting to notice that the long dry season, amounting to about 180 days, was terminated by this early storm. The forecasts were timely and accurate.

The precipitation was above the normal, in general about 0.03 inch. In reality, the excess is greater than appears, because during September, 1904, a phenomenal rainfall raised the normal to a value beyond that indicated by the records for a period of fifty years preceding 1904. During the present month the distribution of the rain, both in intensity and frequency, was favorable from industrial and agricultural standpoints. There were comparatively few heavy showers or thunderstorms. The greatest twenty-four-hour rainfall was 1.94 inches at Magalia on the 28th, and the greatest monthly rainfall was

3.57 inches at Helen Mine. The prevailing winds were west. At more than half of the stations west or northwest winds were reported, and at about one-fifth of the stations southerly winds were most frequent.

Along the coast, and especially in the San Francisco Bay section, there was less fog than usual, and the weather in general was considered by most people to have been a pleasanter September than usual. There was much sunshine.

**THUNDERSTORM AT SOUTHEAST FARALLON, CAL., ON SEPTEMBER 26, 1909.**

O. H. HAMMONDS, Assistant Observer.

On account of the infrequent occurrence of thunderstorms on the Pacific Coast, the following description of such a storm should be of interest.

The storm came from the southeast, but the last wind recorded from a southerly direction previous to the storm was from the southeast at 8:25 p. m. on the 25th. From that time the winds were northerly until 4 a. m. of the 27th, when they changed to the west or southwest.

The clouds of medium and high altitude were from the southeast during the above-mentioned periods. The first lightning, accompanied occasionally by very low thunder, was observed at 7:15 p. m. of the 26th. The flashes were frequent and gradually spread over the sky as the storm approached until at 9:07 p. m. ther was a vivid flash followed immediately by loud and prolonged thunder, the first and only to occur in the vicinity of the station. Occasional distant flashes, mostly in a northerly direction, were observed for about an hour after the rain had ceased.

Rain began at 8:50 p. m. and ended at 9:30 p. m.; total amount of precipitation .07 inch; maximum wind velocity about 34 miles per hour from the northwest.

The station barogram shows a well-defined "squall-nose" at about 9 p. m. of the 26th.

## MONTHLY WEATHER REVIEW.

SEPTEMBER, 1909

TABLE 1.—Climatological data for September, 1909. District No. 11, California.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.				Precipitation, in inches.				Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmeasured.	Number of rainy days.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.						
				Mean.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.			Number of 0.1 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.											
Oregon.																												
Klamath Agency.	Klamath.	1	18	59.3	+ 0.6	90	16	28	30	47	0.37	- 0.14	0.11	0.0	6													
Klamath Falls.	do.	4,250	18	59.3	+ 0.6	90	16	28	30	47	0.37	- 0.14	0.11	0.0	6													
Lakeview.	Lake.	4,825	24																									
Long Valley.	do.																											
Merrill.	Klamath.	4,070	4	54.8		89	23	26	27	49	0.73		0.11	0.05	0.0	4	12	1C	8	s.								
Yonna.	do.	4,146	1	54.7		87	15	24	2	52	1.38		0.48	0.0	0	9	11	19	0	s.								
California.																												
Alturas.	Modoc.	4,480	5	57.5		91	15	23	22	80	0.67	+ 0.14	0.34	0.0	6	15	13	2	sw.									
Angola.	Tulare.	208	9	60.8	- 1.4	101	13	42	22	55	0.00	- 0.09	0.00	0.0	0	6	6	nw.										
Antioch **.	Contra Costa.	46	30	75.8	+ 4.7	101	14†	58	25		0.05	- 0.18	0.05	0.0	1	25	5	nw.										
Aptos**.	Santa Cruz.	102	24	61.3	+ 0.4	92	15	48	18†		0.85	+ 0.40	0.52	0.0	3	18	2	10	nw.									
Auburn.	Placer.	1,360	38	68.0		95	1	39	24		0.30																	
Asusa.	Los Angeles.	540	7	68.4		104	16	44	20	49	0.06		0.06	0.0	1	24	6	0										
Bagdad.	San Bernardino.	734	6	87.4		103	14†	64	29	35	0.00		0.00	0.0	0	19	0	11										
Bakersfield.	Kern.	404	20	77.6	+ 1.8	103	16	53	25†	39	0.00	- 0.13	0.00	0.0	0	30	0	0	w.									
Barstow.	San Bernardino.	2,105	6	73.4	+ 0.1	100	10	44	29	45	0.10		0.10	0.0	0	1	29	0	1	w.								
Beckwith.	Plumas.	5,005	1	56.8		89	16	23	30	56	1.14		0.41	0.5	6	14	11	5	sw.									
Berkeley.	Alameda.	317	22	62.9	+ 1.6	90	15	49	30	33	0.78	+ 0.16	0.54	0.0	3	11	14	5	sw.									
Biggs **.	Butte.	98	10	71.3	+ 1.2	96	17	53	30		0.76	+ 0.30	0.35	0.0	3	20	2	2	s.									
Bishop.	Inyo.	4,450	14	63.4		90	8	34	30	T.																		
Blocksburg.	Humboldt.	1,700	3	66.2		99	14	39	23	47	1.51		1.00	0.0	2	19	7	4	nw.									
Blue Canon.	Placer.	4,695	10	61.3	+ 2.9	83	16	36	30	35	0.25	- 0.91	0.25	0.0	1	26	1	3	n.									
Blythe.	Riverside.	80.6				104	9	48	30	48	0.63		0.45	0.0	3	23	5	2	sw.									
Branscomb.	Mendocino.	2,000	9	61.2	- 0.5	93	12	36	30	42	1.62	+ 0.30	0.62	0.0	0	23	5	2	n.									
Brush Creek.	Imperial.	-105				105	9	56	30	42	0.31		0.31	0.0	1	27	3	0	se.									
Caledxico.	Butte.	2,140	5	64.1		92	4†	40	21†	48	1.73		1.08	0.0	0	4	23	2	5	s.								
Caliente **.	Imperial.	0	4	83.3		103	9†	56	29	36	0.00		0.00	0.0	0	23	3	5	w.									
Calistoga **.	Kern.	1,290	33	78.1	+ 3.1	103	16	52	20		0.00	- 0.08	0.00	0.0	0	30	0	0	w.									
Campbell.	Napa.	263	37	73.7	+ 7.0	95	10†	48	7		1.22	+ 0.86	0.55	0.0	3	23	0	7	n.									
Camptonville (near).	Santa Clara.	217	12	64.0	+ 1.6	97	15	41	19†	47	0.75	+ 0.32	0.69	0.0	0	23	3	4										
Cedarville.	Yuba.	3,500	5	71.7		102	16	40	30	46	1.58		1.30	0.0	0	4	24	0	6									
Modoc.	Modoc.	4,675	15	58.4	- 0.2	90	15	28	22	52	0.97	+ 0.55	0.35	0.0	0	11	18	1	aw.									
Chico.	Butte.	189	30	72.9	- 1.7	101	16	46	18	50	0.86	+ 0.39	0.61	0.0	0	23	4	4	s.									
Chino **.	San Bernardino.	714	17	74.4	+ 3.2	100	15	44	29	43	0.05	- 0.06	0.03	0.0	0	20	10	0	w.									
Cisco **.	Placer.	5,939	38	63.0	+ 7.3	84	23	40	25†		1.05	+ 0.67	0.80	0.0	0	25	1	4										
Claremont.	Colusa.	1,200	17	71.4	+ 2.2	104	15†	44	29	43	0.05	- 0.06	0.03	0.0	0	20	10	0	w.									
Cloverdale.	Colusa.	340	7	67.7		101	15†	42	23	51	0.01		1.50	0.0	0	24	5	2	s.									
Colfax.	Corning **.	2,421	38	65.5	- 4.0	90	15†	48	29	40	0.60	+ 0.07	0.56	0.0	0	26	0	4										
Corning **.	Tehama.	60	6	70.4		94	16	48	30	38	0.63		0.41	0.0	0	23	0	7	n.									
Cuyamaca (1).	San Diego.	4,677	10	65.1	+ 6.1	83	3†	43	28	29	0.30	- 0.16	0.30	0.0	0	1	23	6	1	c.								
Daunt.	Tulare.	4,000	2	67.8		93	17	37	27	47	0.00		0.00	0.0	0	23	7	0										
Davilsville.	Yolo.	51	37	68.1	- 3.9	100	15†	42	30	52	0.55	+ 0.34	0.43	0.0	0	23	4	3										
Deer Creek.	Nevada.	3,700	2	62.2		90	12	34	30	47	0.86		0.46	0.0	0	23	5	2	s.									
Delta.	Shasta.	1,138	24	71.8	+ 2.5	101	13†	41	30	45	2.09	+ 1.09	0.98	0.0	0	17	5	2										
Denair.	Stanislaus.	126	9	72.2	+ 1.1	105	16	39	30	49	0.00	- 0.16	0.00	0.0	0	23	1	0	w.									
Dobblins.	Yuba.	1,650	5	74.2		98	15	52	30	40	0.07		0.62	0.0	0	23	0	1										
Dudley.	Mariposa.	3,000	6	64.4		90	9†	38	24	48	0.12		0.12	0.0	0	21	0	9										
Dunnigan **.	Yolo.	65	32	80.7	+ 6.1	98	15	65	29	45	0.45	+ 0.09	0.45	0.0	1	25	0	5	n.									
Dunsmlur **.	Siskiyou.	2,285	20	63.2	+ 2.7	95	6	38	30		2.23	+ 0.99	1.08	0.0	0	25	0	5										
Durham.	Butte.	160	14	71.2	+ 3.1	100	16	44	30	47	0.90	+ 0.39	0.60	0.0	0	23	4	4										
El Cajon.	San Diego.	482	10	70.6	+ 1.6	105	15†	43	20	53	0.00	- 0.12	0.00	0.0	0	30	0	0	sw.									
Electra.	Amador.	725	5	74.8		103	14†	46	29	42	0.00	- 0.49	0.00	0.0	0	24	0	6										
Elsinore.	Riverside.	1,234	14	71.4	- 2.8	103	14†	36	29	57	0.00	- 0.08	0.00	0.0	0	23	1	0	w.									
Emigrant Gap.	Placer.	5,230	35	61.0	+ 2.0	84	5	30	26†	45	0.56	+ 0.24	0.33	0.0	2	23	0	6										
Escondido.	San Diego.	657	15	70.0	+ 1.0	108	15	37	29	57	0.05	+ 0.03	0.05	0.0	1	23	0	7	w.									
Eureka.	Humboldt.	64	23	53.6	- 1.3	74	15	44	18	23	0.61	- 0.77	0.31	0.0	5	12	4	14	n.									
Farmington **.	San Joaquin.	111	30	76.2	+ 4.2	103	15	53	30	T.																		

TABLE 1.—Climatological data for September, 1909. District No. 11—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Cobservers.		
				Departure from the normal.			Greatest daily range.			Departure from the normal.			Greatest in 24 hours.							
				Mean.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Unmeted.	Total snowfall.	Number of rainy days 0.1 inch or more.	Number of partly cloudy days.	Number of clear days.	Number of cloudy days.				
California—Cont'd.																				
Los Banos **	Merced	121	22	72.8	-1.2	96	9†	56	25	0.00	-0.13	0.00	0.0	0	21	0	9	w.		
Los Gatos.	Santa Clara.	600	22	66.8	+1.2	98	15	45	30	40	1.15	+0.78	0.60	0.0	2	22	4	n.		
Macdoel.	Siskiyou.	4,258	2	55.5	.....	89	15	23	30	54	0.15	.....	0.08	0.0	5	17	12	nw.		
Madeleine.	Lassen.	5,270	55.9	.....	.....	88	15	24	22	56	0.35	.....	0.17	0.0	5	20	5	nw.		
Magalia.	Butte.	2,321	5	66.0	.....	93	15	43	30	40	3.28	.....	1.94	0.0	4	20	5	n.		
Mammoth Tank.	Imperial.	257	31	80.2	+3.8	107	9†	58	30	38	0.04	-0.01	0.04	1.00	1	22	5	w.		
Marysville.	Yuba.	67	38	75.0	+1.0	97	7	49	17†	42	0.75	+0.46	0.75	0.0	1	26	0	4		
Mecca.	Riverside.	-185	3	82.8	.....	104	9†	57	30	40	0.40	.....	0.40	0.0	1	29	0	1		
Menlo Park**.	San Mateo.	64	31	66.7	+2.6	96	15	48	30	40	1.12	+0.84	0.94	0.0	2	19	6	nw.		
Merced.	Merced.	173	35	70.2	-3.5	105	16	47	47	52	0.00	-0.18	0.00	0.0	0	24	7	w.		
Mill Creek (1).	Amador.	3	64.2	.....	.....	90	16	41	30	35	T.	.....	0.42	T.	0.0	0	22	5		
Milton (near).	Calaveras.	660	19	72.2	+0.7	100	16	49	30	35	0.00	.....	0.19	0.00	0.0	30	0	n.		
Modesto **.	Stanislaus.	90	37	75.3	+0.6	101	21	54	14	14	0.00	.....	0.07	0.00	0.0	30	0	n.		
Mojave.	Kern.	2,751	32	66.7	-7.2	96	10	31	30	30	0.00	-0.67	0.00	0.0	0	30	0	n.		
Mokelumne Hill.	Calaveras.	1,550	16	72.2	+6.4	96	16	50	26	27	0.02	-0.52	0.02	0.0	1	23	2	5		
Mono Ranch.	Ventura.	3,210	5	62.8	.....	89	16	37	29	40	0.00	-1.69	0.00	0.0	0	21	9	e.		
Montague.	Siskiyou.	2,450	21	65.1	-3.4	97	8	36	21	50	0.45	+0.23	0.25	0.0	4	16	5	n.		
Monterey **.	Monterey.	15	44	62.0	+0.5	80	13†	48	30	40	0.64	+0.46	0.50	0.0	3	17	12	nw.		
Monterio.	Kern.	4,560	10	68.4	-1.6	94	3†	38	29	44	0.10	-0.11	0.10	0.0	1	8	22	0		
Monumental.	Del Norte.	4	61.4	.....	94	15	36	29	50	3.48	.....	0.74	0.0	8	19	3	n.			
Mount Tamalpais.	Marin.	2,375	10	66.2	+0.1	93	15	44	1	26	1.16	+0.64	0.83	0.0	5	22	4	s.		
Napa (1) \$.	Napa.	20	32	63.7	+0.1	100	16	43	19	51	0.85	+0.29	0.37	0.0	3	25	6	s.		
Napa (2).	do.	60	31	66.1	+2.5	102	15	46	30	48	0.75	+0.18	0.30	0.0	3	21	6	s.		
Needles.	San Bernardino.	477	17	73.8	-10.9	98	10	45	29	46	1.47	+1.33	0.57	0.0	4	23	6	1		
Nevada City.	Nevada.	2,580	15	65.0	+4.4	95	14†	35	30	51	0.55	-0.18	0.47	0.0	2	23	7	sw.		
Newcastle.	Placer.	970	16	70.6	.....	102	15	55	27	26	0.09	+0.03	0.09	0.0	1	25	2	3		
Newhall **.	Los Angeles.	1,200	32	70.6	-0.9	102	15	55	27	26	0.09	-0.26	0.00	0.0	0	28	0	n.		
Newman.	Stanislaus.	91	20	73.6	.....	102	15†	45	30	48	0.00	-0.26	0.00	0.0	0	28	0	n.		
Nimahew.	Butte.	2,500	5	66.7	.....	92	14†	40	30	40	2.14	.....	1.13	0.0	5	23	0	n.		
North Bloomfield.	Nevada.	3,200	12	61.2	.....	88	22	38	15	46	T.	.....	T.	0.0	0	19	9	2		
North Fork.	Madera.	3,000	5	61.2	.....	102	16	53	26	27	0.00	-0.14	0.00	0.0	2	24	5	nw.		
Oakdale **.	Stanislaus.	158	15	71.6	+0.2	102	16	53	26	27	0.00	-0.14	0.00	0.0	3	14	9	w.		
Oakland.	Alameda.	36	33	62.8	+1.6	88	12†	50	18†	31	0.89	+0.31	0.36	0.0	1	24	6	w.		
Ojai Valley.	Ventura.	900	3	67.4	.....	106	15†	41	29	52	0.05	0.05	0.05	0.0	0	22	4	se.		
Orland.	Glenn.	254	27	74.3	-2.4	101	15†	50	29	41	0.74	+0.39	0.24	0.0	4	22	4	se.		
Orleans.	Humboldt.	520	6	73.2	.....	110	4†	44	18†	140	.....	0.85	+0.17	0.40	0.0	3	21	2	n.	
Oroville (near).	Butte.	250	25	73.5	-0.3	102	16	50	30	42	0.85	+0.17	0.40	0.0	3	21	5	s.		
Palermo.	Riverside.	213	18	72.0	+2.0	103	16	45	30	50	0.75	-0.05	0.38	0.0	3	21	5	s.		
Palm Springs **.	Pasadena.	584	20	82.9	+2.3	105	22	70	13†	10	0.10	+0.06	0.06	0.0	2	24	4	sw.		
Pasadena.	Los Angeles.	827	19	69.8	+0.2	104	16	42	29	46	0.08	0.08	0.08	0.0	1	27	2	sw.		
Paso Robles **.	San Luis Obispo.	800	22	66.4	-0.5	105	17	34	20†	63	T.	-0.17	T.	0.0	0	25	3	sw.		
Peachland.	Sonoma.	190	13	64.4	+1.2	102	15	40	27	53	1.50	+1.14	0.76	0.0	6	18	9	sw.		
Penstock Camp.	Tuolumne.	3,750	2	70.4	.....	95	1	46	28	35	0.10	0.10	0.10	0.0	1	14	3	se.		
Pine Crest.	Santa Barbara.	1,000	11	68.9	-1.8	102	15	49	29	38	0.25	-1.17	0.25	0.0	1	23	5	sw.		
Placerville.	El Dorado.	1,875	20	64.8	+2.0	90	15†	40	30	40	0.11	-0.51	0.11	0.0	1	23	2	sw.		
Point Lobos.	San Francisco.	250	16	60.8	+3.2	89	15†	49	47	33	0.61	+0.04	0.28	0.0	3	8	6	w.		
Point Reyes.	Martin.	490	17	58.2	+0.1	83	15	48	3	28	0.87	-0.05	0.49	0.0	5	19	6	nw.		
Porterville.	Tulare.	464	20	74.3	-2.0	103	16	48	29	42	0.00	-0.21	0.00	0.0	0	25	5	.....		
Poway.	San Diego.	460	25	70.4	.....	95	1	46	28	35	0.10	0.10	0.10	0.0	1	14	3	se.		
Quincy.	Plumas.	3,400	14	57.2	+0.2	86	15	28	22	53	1.33	0.00	0.60	0.0	6	18	6	sw.		
Red Bluff.	Tehama.	307	32	74.7	+0.8	102	14	50	30	30	0.45	-0.22	0.26	0.0	3	23	5	se.		
Redding.	Shasta.	552	34	75.4	+1.4	98	4†	49	30	35	1.00	+0.33	0.52	0.0	4	22	5	n.		
Redlands.	San Bernardino.	1,352	16	71.6	-0.5	102	15	43	29	46	0.06	-0.31	0.06	0.0	1	25	0	w.		
Redley.	Fresno.	347	9	73.2	+1.1	101	15†	48	20†	44	0.00	0.00	0.00	0.0	0	26	4	sw.		
Rialto (near).	San Bernardino.	2,250	3	72.2	.....	97	15	46	26†	37	0.00	-0.13	0.00	0.0	0	25	3	w.		
Riverside.	Riverside.	851	27	71.1	-1.0	103	15†	41	29	45	0.00	-0.13	0.00	0.0	0	25	3	w.		
Rocklin.	Placer.	249	38	70.6	-2.1	98	16	42	30	46	0.20	+0.02	0.26	0.0	1	24	5	1		
Rohnerville.	Humboldt.	75	6	57.4	.....	80	14	37	18†	38	0.26	0.14	0.0	0	2	19	7	n.		
Sacramento (1).	Sacramento.	71	32	69.9	+0.8	98	15	47	30	39	0.21	-0.15	0.13	0.0	3	23	5	s.		
Sacramento (2).	do.	35	56	66.9	-2.6	90	15†	46	30	34	0.24	+0.10	0.16	0.0	2	23	4	s.		
St. Helena.	Napa.	255	1	68.2	.....	103	16	43	19	55	1.12	0.53	0.00	0	3	22	7	w.		
Salinas.	Monterey.	40	35	62.6	+1.5	98	15	41	12	45	0.26	+0.08	0.26	0.0	1	22	7	1		
San Bernardino.	San Bernardino.	1,054	17	71.5	.....	104	15	38	29	33	0.02	-0.12	0.00	0.0	0	24	6	sw.		
San Diego.	San Diego.	93	38	66.7	-0.2	100	16	53	29	31	0.02	-0.04	0.02	0.0	1	21	8	6		
San Francisco.	San Francisco.	207	38	61.6	+2.3	93	15	50	4	37	0.80	+0.53	0.67	0.0	4	15	9	w.		
San Jacinto.	Riverside.	1,550	12	72.4	+1.8	103	15	40	29	48	0.00	-0.14	0.00	0.0	2	20	8	sw.		
San Jose.	Santa Clara.	95	34	64.8	+0.1	95	15	43	30	46	0.75	+0.55	0.75	0.0	3	23	2	w.		
San Leandro.	Alameda.	48	14	63.0	-1.1	97	15	40	18†	54	0.84	+0.25	0.40	0.0	3	23	5	sw.		
San Luis Obispo.	San Luis Obispo.	201	14	64.3	-1.2	102	15	43	28	47	0.02	-0.10	0.10	0.0	0	24	5	nw.		
San Mateo**.	San Mateo.	23																		

## MONTHLY WEATHER REVIEW.

SEPTEMBER, 1909

TABLE 1.—*Climatological data for September, 1909. District No. 11—Continued.*

Stations.	Counties.	Elevation, feet.	Length of record, yrs.	Temperature, in degrees Fahrenheit.				Precipitation, in inches.				Sky.	Observers.					
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmeted.	Number of rainy days, .01 inch or more.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.
<i>California—Cont'd.</i>																		
Tracy**	San Joaquin.	64	29	80.2	+ 8.2	100	21	57	29	0.68	+ 0.49	0.47	0.0	2	23	4	3 ne.	
Tulare (near)	Tulare.	274	15	72.0	+ 0.1	98	17	50	29	0.00	- 0.66	0.00	0.0	0	24	1	5 w.	
Ukiah.	Mendocino.	620	16	67.4	+ 1.7	103	15	38	30	0.48	- 0.09	0.33	0.9	3	10	17	3 nw.	
Upland.	San Bernardino.	1,760	12	68.8	+ 0.1	101	16	46	26†	42	T.	- 0.26	T.	0.0	0	29	1	0 w.
Upper Lake.	Lake.	1,350	24	69.1	+ 2.0	96	4†	40	30	45	0.95	+ 0.54	0.38	0.0	3	25	1	4 nw.
Vacaville.	Solano.	175	21	70.2	- 1.0	104	16	42	30	52	0.63	+ 0.39	0.33	0.0	4	22	6	2 sw.
Valley Springs**.	Calaveras.	673	20															
Visalia.	Tulare.	334	21	77.2	+ 5.8	92	17†	64	4	26	0.00	- 0.52	0.00	0.0	6	25	3	2 nw.
Warner Springs.	San Diego.	3,165	1	67.7		90	15†	46	28	37	1.41		0.72	0.0	0	2		
Wasco.	Kern.	336	9	70.8	- 2.5	94	11†	47	16	47	0.00		0.00	0.0	0			
Watsonville.	Santa Cruz.	23	13	58.2	- 2.1	79	15	43	8	27	0.44	+ 0.28	0.35	0.0	2	8	18	4 w.
Westley**.	Stanislaus.	90	20	73.3	+ 4.4	99	9†	60	2†	60	0.00	- 0.23	0.00	0.0	0	27	0	3 n.
Wheatland.	Yuba.	84	22	70.2	- 0.1	96	16	45	30	38	0.49	- 0.11	0.25	0.0	2	21	5	4 s.
Willows.	Glean.	136	30	71.9	- 3.7	95	16	49	30	37	0.52	+ 0.31	0.34	0.0	4	20	5	5 s.
Yosemite.	Mariposa.	3,945	5	62.4		93	3	34	30	50	0.46		0.30	0.0	3	22	5	3 sw.

\* Precipitation included in that of the next measurement.

\*\* Temperature extremes are from observed readings of the dry-bulb; means are computed from observed readings.

† Also on other dates.

‡ Separate dates of fall not recorded.

§ Data are from standard instruments not supplied by the U. S. Weather Bureau.

|| Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

¶ Estimated by observer.

||| Precipitation for the 24 hours ending on the morning when it is measured.

T. Precipitation is less than 0.01 inch rain or melted snow.

\*, †, ‡, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

Agent, So. Pac. Co.  
J. T. Bearss.  
Dr. George McCowen.  
A. P. Harwood.  
C. M. Hammond.  
G. O. Coburn.  
Agent, So. Pac. Co.  
Agent, Santa Fe R. R.  
Mrs. F. S. Sanford.  
Agent, Santa Fe R. R.  
Spreckels Sugar Co.  
Agent, So. Pac. Co.  
Wm. Lumbard.  
M. T. Harrington, Jr.  
C. W. Tucker.

TABLE 2.—*Daily precipitation for September, 1909. District No. 11, California.*

TABLE 2.—*Daily precipitation for September, 1909. District No. 11—Continued.*

TABLE 2.—*Daily precipitation for September, 1909. District No. 11—Continued.*

## MONTHLY WEATHER REVIEW.

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TABLE 3.—Maximum and minimum temperatures at selected stations for September, 1909. District No. 11, California.

Date.	Lakeview, Oreg.		California.																				Nevada City.		Porterville.		Red Bluff.		
			Alturas.		Barstow.		Brawley.		Brancob.		Colusa.		Eureka.		Fresno.		Independence.		Los Angeles.		Mount Tamal-		Mount						
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	
1.			82	46	92	62	80	48	97	74	86	55	57	50	88	53	82	57	77	59	56	44	84	45	91	61	84	62	
2.			77	43	92	54	86	47	101	72	85	53	53	50	91	56	84	50	75	58	70	52	85	45	91	57	91	62	
3.			85	44	93	63	80	47	104	73	88	54	54	50	93	55	86	51	72	57	81	58	88	46	93	57	98	64	
4.			85	41	92	61	74	46	100	76	91	57	53	50	96	60	80	56	70	57	83	69	91	48	94	61	101	61	
5.			84	48	95	57	75	46	91	73	89	54	54	50	97	64	79	54	70	56	80	67	91	48	98	63	94	66	
6.			84	43	95	53	70	45	95	71	86	54	55	50	95	60	83	56	69	59	75	49	90	49	98	64	92	64	
7.			85	41	94	58	71	46	98	74	87	54	56	49	94	57	86	54	74	57	77	61	91	47	97	58	90	61	
8.			88	38	97	61	70	46	102	73	92	58	60	50	98	63	89	56	74	56	84	69	92	46	98	59	96	64	
9.			90	38	99	62	73	48	105	72	92	60	60	50	101	65	89	58	77	58	81	61	92	48	102	60	96	66	
10.			81	38	100	60	74	47	105	71	90	57	58	52	97	66	89	54	82	58	77	57	88	50	98	65	90	65	
11.			69	30	95	65	83	49	102	70	85	62	57	47	87	55	76	54	76	56	77	57	84	43	89	58	84	62	
12.			77	27	85	57	93	51	97	68	90	63	61	45	92	55	78	46	80	56	80	64	91	45	93	59	92	66	
13.			84	27	86	46	92	53	96	64	90	60	57	47	96	61	80	46	97	59	86	70	91	44	95	59	95	64	
14.			89	31	91	49	90	52	100	60	92	57	65	47	98	61	84	45	96	66	87	73	95	44	98	58	102	63	
15.			91	31	94	54	86	50	104	70	92	58	71	51	101	60	86	50	102	70	93	78	95	45	100	59	100	64	
16.			89	34	95	56	80	47	102	74	94	56	68	51	101	61	86	50	103	75	92	78	95	47	103	62	98	64	
17.			82	33	97	56	78	47	103	61	93	58	58	49	100	62	84	51	93	65	82	70	93	45	100	62	98	64	
18.			81	25	95	59	75	44	103	64	87	54	54	56	44	96	57	85	53	87	58	82	63	89	42	98	56	92	57
19.			80	35	91	56	73	43	101	67	82	52	52	63	45	94	56	84	50	83	55	73	58	86	43	93	55	88	57
20.			73	38	91	52	71	43	100	64	85	54	60	50	90	57	88	49	76	53	71	59	87	43	89	52	89	59	
21.			66	25	90	55	74	45	100	59	85	58	56	44	88	54	86	56	76	55	79	63	90	39	90	54	83	63	
22.			75	23	93	59	79	48	98	68	90	63	63	45	91	55	79	48	77	60	79	68	88	45	92	53	93	69	
23.			87	27	93	48	83	47	99	66	88	58	57	48	97	61	82	47	75	61	70	48	91	44	97	55	92	60	
24.			84	36	84	56	70	46	99	66	80	54	58	53	77	55	81	48	72	58	60	47	82	41	80	55	69	61	
25.			65	46	85	48	58	50	90	59	61	55	54	49	75	56	77	46	71	57	51	49	63	49	77	51	61	57	
26.			75	42	83	47	69	50	95	63	74	56	54	48	78	53	74	48	74	55	61	50	77	44	77	53	78	53	
27.			78	36	83	53	73	43	93	74	79	54	57	46	84	54	73	54	72	55	61	52	81	45	85	51	83	58	
28.			61	44	80	58	68	48	93	67	71	55	62	50	76	53	72	49	70	56	52	46	66	44	78	54	89	55	
29.			55	38	85	44	61	44	94	58	70	54	62	51	79	55	73	40	76	52	56	45	66	47	80	48	69	55	
30.			66	29	85	50	62	36	97	56	71	48	59	48	77	51	76	41	74	58	69	46	71	35	78	49	72	50	
31.																													
Mns.			78.9	36.1	91.2	55.5	75.6	46.7	98.8	67.5	84.7	56.1	58.6	48.6	90.9	57.7	81.7	50.6	78.7	58.4	73.4	59.0	85.1	44.9	91.7	56.9	87.7	61.7	

Date.	California.																				Summit.		Susanville.		Yosemite.	
	Redlands.		Sacramento.		San Diego.		San Francisco.		San Jose.		San Luis Obispo.		Santa Barbara.		Santa Rosa.		Sierra.		Stockton.							
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1.	87	64	77	53	70	60	62	53	76	51	70	53	72	59	73	52	81	46	75	52	78	43	79	52	89	42
2.	86	55	82	53	69	62	61	53	74	50	70	54	71	52	70	52	75	50	80	52	74	41	79	48	85	43
3.	77	51	87	52	68	64	56	50	74	54	68	52	64	51	73	49	76	49	83	53	74	42	79	48	93	43
4.	81	52	87	54	67	63	57	50	75	53	69	51	66	54	71	48	70	48	86	53	76	46	82	48	86	46
5.	93	54	84	53	68	60	56	51	75	53	68	57	64	54	74	51	80	47	82	54	74	43	84	50	85	48
6.	81	58	70	52	68	60	62	53	75	54	70	52	68	57	68	50	84	46	78	53	74	44	81	49	86	45
7.	92	55	85	53	68	61	58	51	73	53	72	53	66	56	71	52	84	44	80	54	78	43	83	48	90	46
8.	94	56	94	55	68	61	59	51	84	51	80	52	70	52	88	48	84	43	90	55	79	45	82	47	89	44
9.	94	59	92	61	69	60	66	52	89	49	83	48	70	55	87	43	85	45	93	60	81	47	84	46	91	45
10.	95	60	94	57	72	60	65	53	79	47	80	49	70	56	88	43	78	36	93	57	79	43	80	40	92	46
11.	93	54	83	62	69	58	62	54	87	47	73	50	69	55	93	44	75	46	85	58						